

FIG. 1a

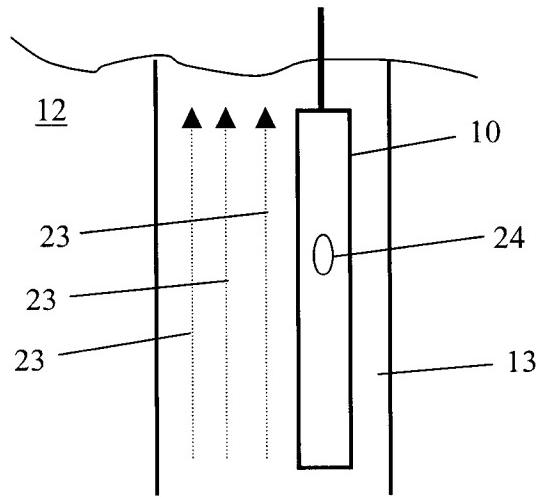


FIG. 1b

$\sigma_m = 5.1$, $\sigma_f = 0.061 \text{ S/m}$, 7.9' diam borehole, insulating sonde body

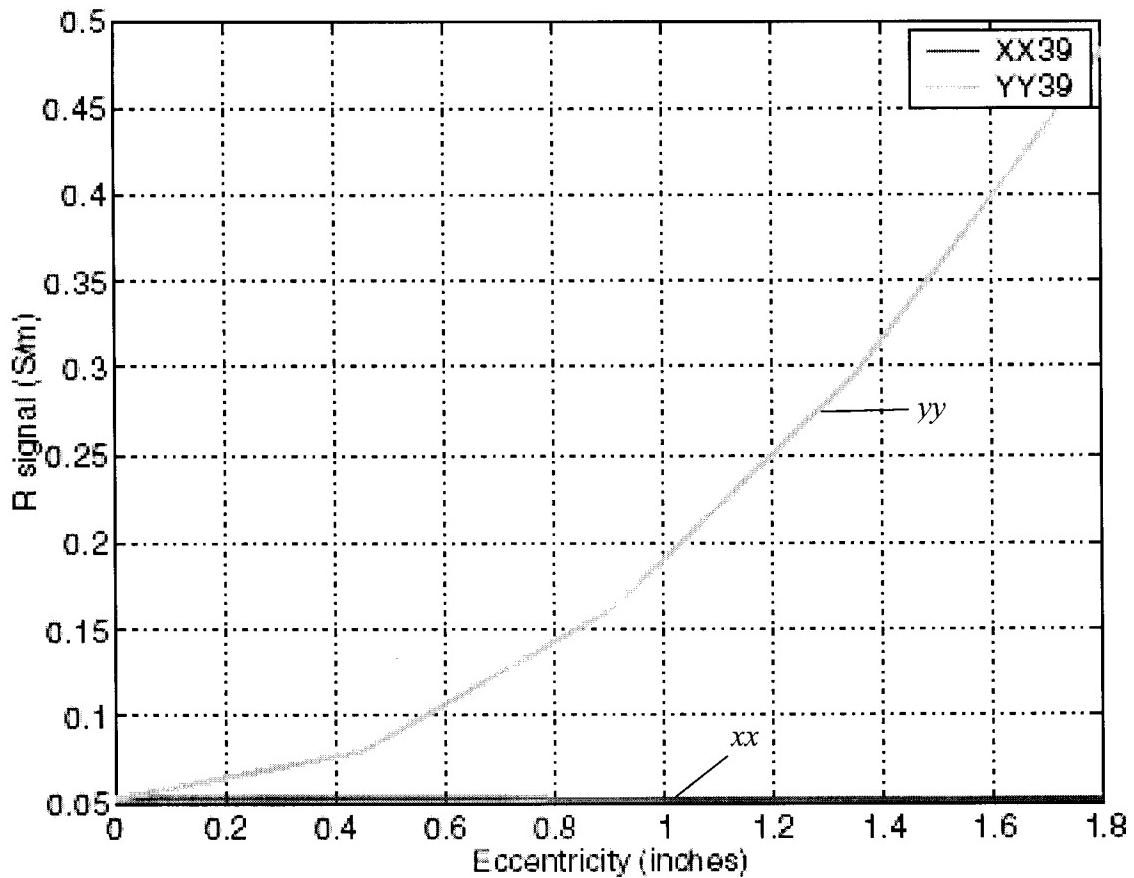


FIG. 2

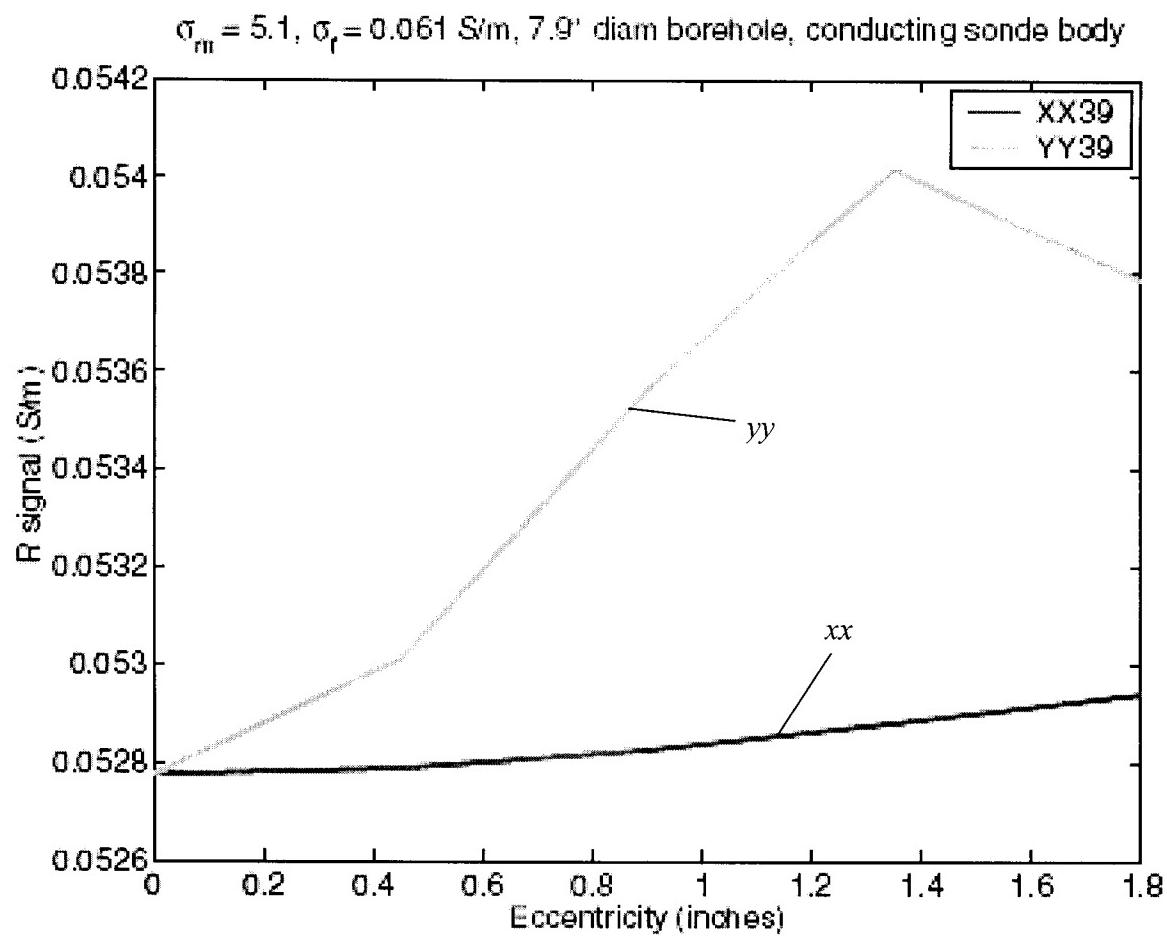


FIG. 3

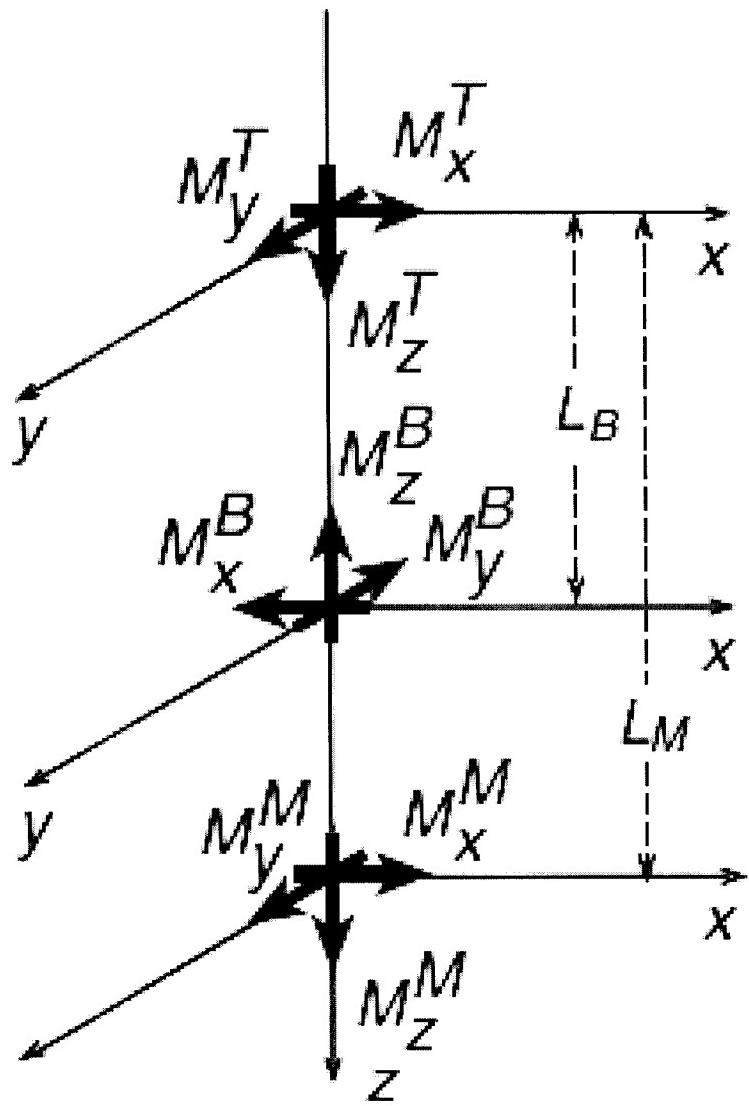


FIG. 4

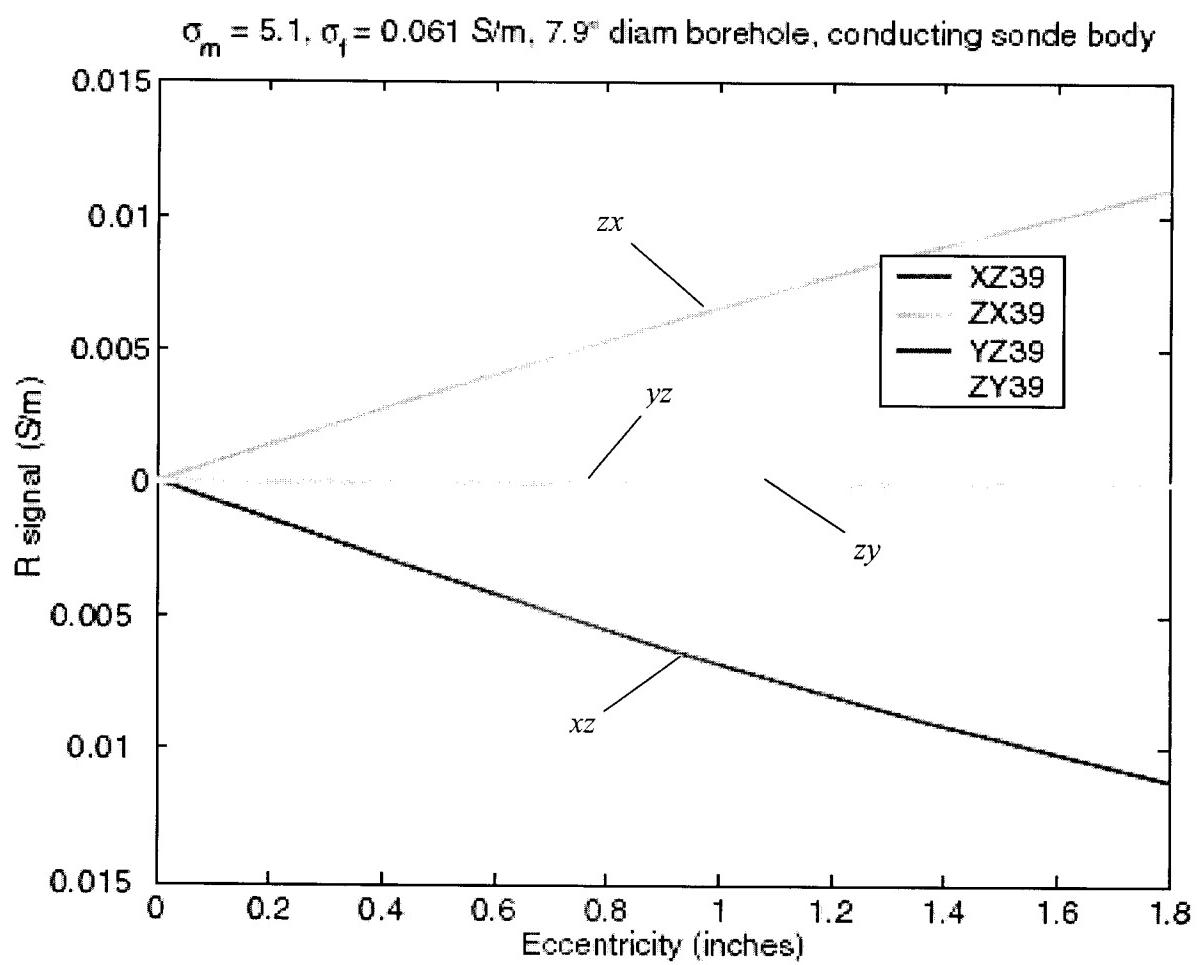


FIG. 5

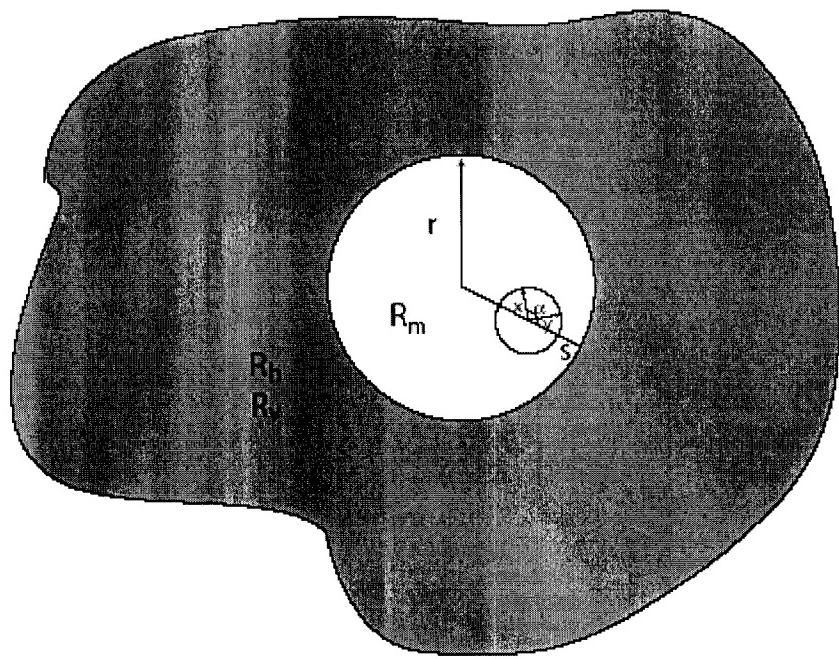


FIG. 6

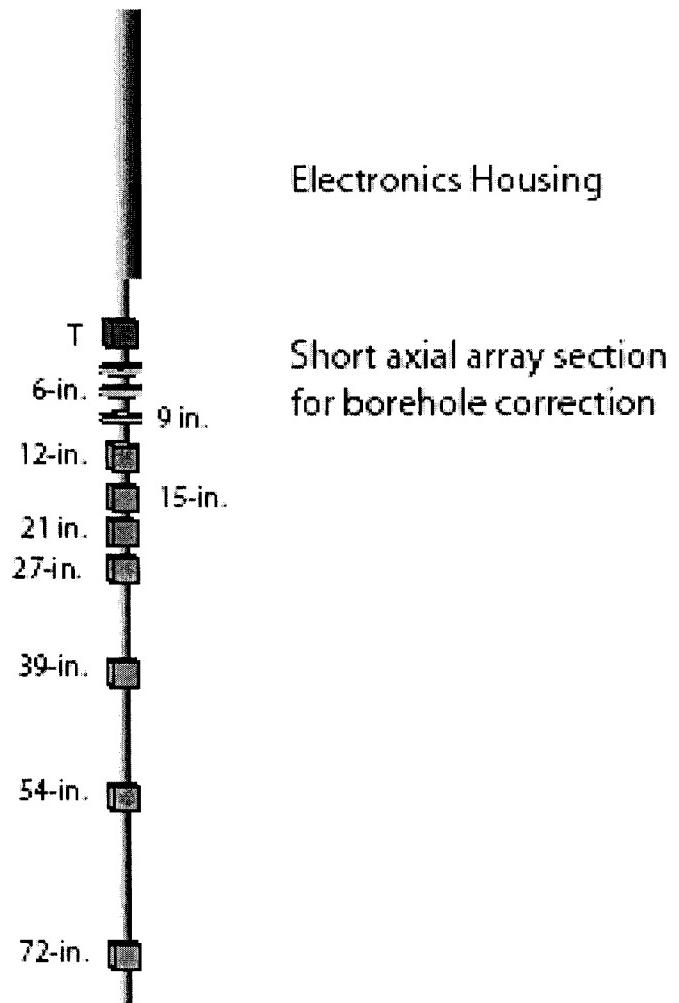


FIG. 7
(Prior Art)

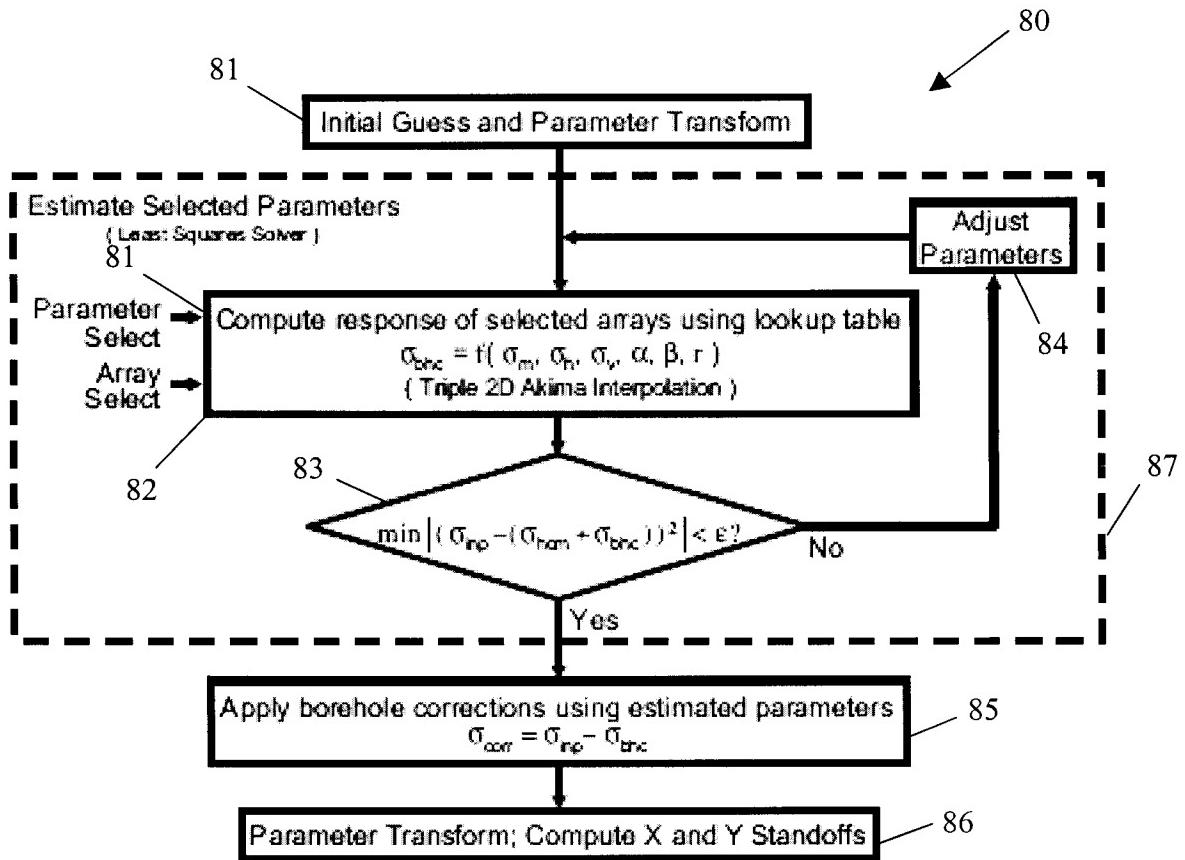
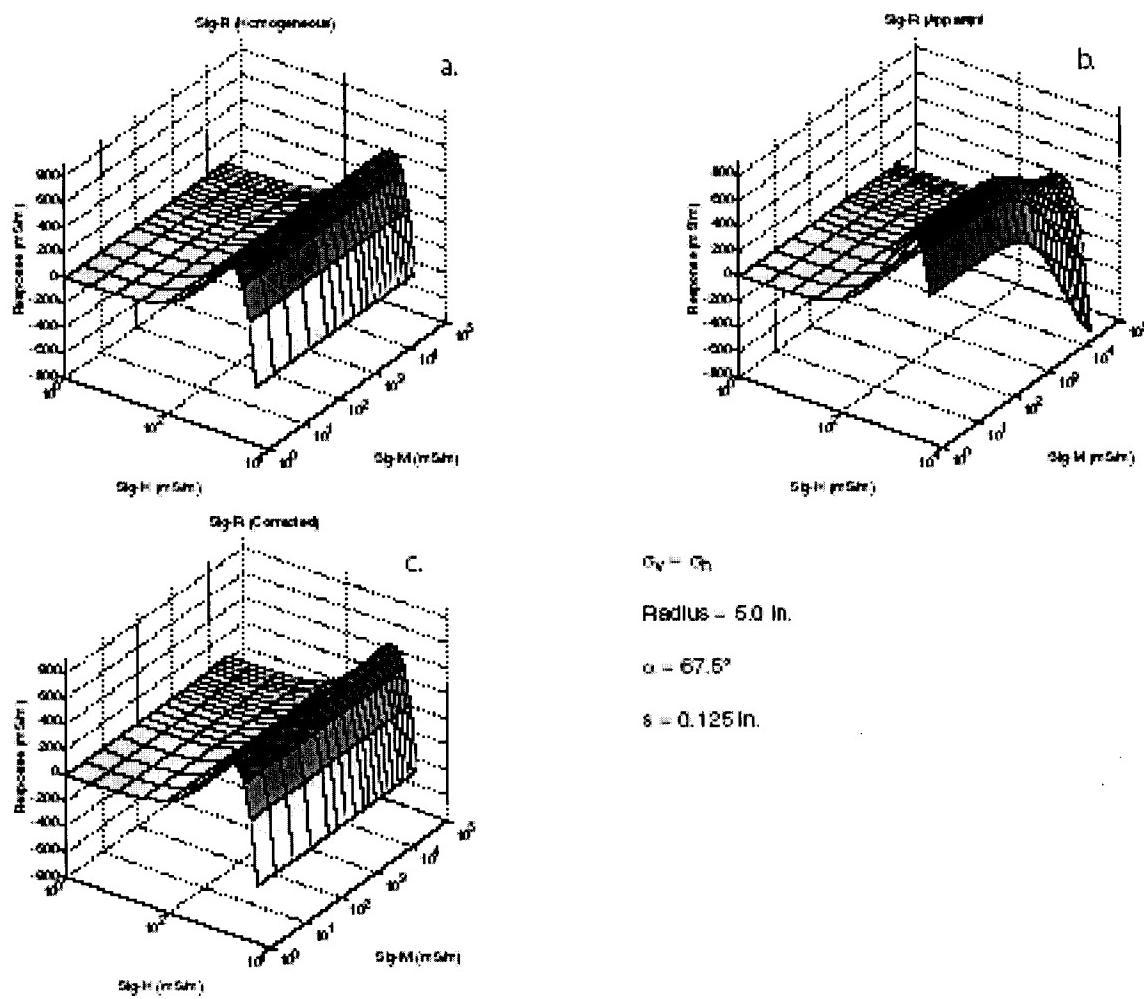


FIG. 8



$G_V = G_H$
 Radius = 5.0 in.
 $\alpha = 67.5^\circ$
 $s = 0.125$ in.

FIG. 9

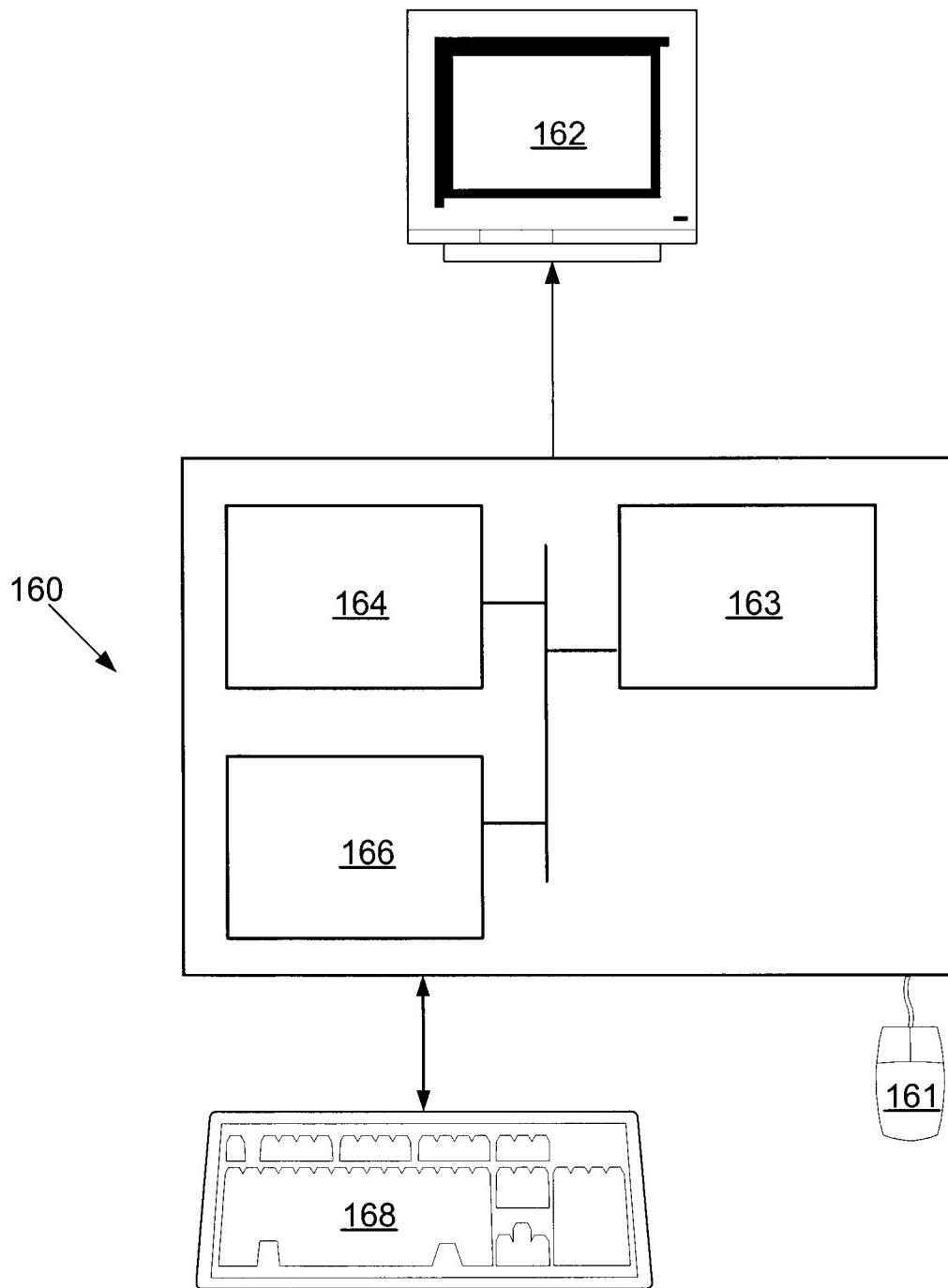


FIG. 10
(Prior Art)